

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006537

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B21C37/06 B21C37/09 B21C37/15 B23K35/30 F16L9/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B21C B23K F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 553 640 A (FERENCZY NIKOLAUS ET AL) 10 September 1996 (1996-09-10) cited in the application column 2, line 30 – line 67 column 3, line 15 – line 44 column 3, line 52 – column 4, line 33 claim 1 -----	1-22
Y	US 6 413 651 B1 (MENG QINGLIAN ET AL) 2 July 2002 (2002-07-02) column 3, line 24 – line 66 column 5, line 8 – line 37 examples 2,3; table 1 claims 1,4 ----- -/-	1-22

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search	Date of mailing of the international search report
4 October 2004	18/10/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Gavriliiu, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 4 522 331 A (LIEBERMANN HOWARD H ET AL) 11 June 1985 (1985-06-11) column 2, line 50 – line 60 examples 2,3; tables 1,2 claims 1,2 -----	1-22
A	EP 1 181 993 A (TI GROUP AUTOMOTIVE SYSTEMS LT) 27 February 2002 (2002-02-27) paragraph '0013! claims 1-7 -----	1-22
A	GB 2 034 206 A (MECANO BUNDY GMBH) 4 June 1980 (1980-06-04) claims 1-7 -----	1-22
A	EP 0 546 790 A (BUNDY INT LTD) 16 June 1993 (1993-06-16) claims 1,2 -----	1-22
A	EP 0 449 600 A (BUNDY GMBH) 2 October 1991 (1991-10-02) column 2, line 1 – line 29 column 3, line 31 – line 37 claims 1,8-11 -----	1-22

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Information on patent family members

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